Quality Control

| Work Order ID 97486  Thursday, February 21, 2013 12:49:47 PM |                          |                                      |                         | *974                   | 486 <b>*</b> |        |              |               |                |                    | Page 1           |
|--|--------------------------|--------------------------------------|-------------------------|------------------------|--------------|--------|--------------|---------------|----------------|--------------------|------------------|
| Item ID:<br>Revision ID:<br>Item Name:                       | D3942-3                  |                                      | ,                       | Accept                 | *N900        | 040    | 100          | )* s          | Setup Sta      | 1.73               | S1*<br>S2*       |
| Start Date:<br>Required Date:<br>Reference:                  | 2/20/2013<br>: 2/25/2013 | Start Qty: 60.00<br>Req'd Qty: 60.00 |                         |                        | Cust Item :  | ID:    |              |               |                |                    | ,                |
| Approvals:   | Process Pla              | n:                                   | Date: 13-02-21<br>Date: | Tooling:<br>SPC (Y/N): |              | ate:   |              | I             | Run Sta<br>Sta | <b>/  ''</b><br>qo | R1*<br>R2*       |
| Sequence ID/<br>Work Center I                                | D                        | Operation<br>Description             |                         | Set Up/<br>Run Hours   | Tool ID      | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty  | Reject<br>Number   | Insp.<br>Stamp   |
| Draw Nbr   | Rev                      | ision Nbr                            |                         |                        |              |        |              |               |                | -                  |                  |
| D3942  | С                        | !                                    |                         |                        |              |        |              |               |                |                    |                  |
| 100  |                          |                                      |                         | 0.00                   |              | ·      |              |               |                |                    |                  |
| *100*<br>Waterjet<br>FLOW CNC Water<br>304 · 050             |                          | Dwg Rev:<br>Prog Rev:                |                         | 0.00                   |              |        |              | 80            |                | - 40               | <i>Imi3</i> -3-3 |
|  |                          | 2-Deburr                             | f necessary             |                        |              |        |              |               |                |                    |                  |
| *110<br>*11 <b>0</b> *                                       |                          | QC2- Inspect parts off               | machine FAI/FAIB        | 0.00                   |              |        |              | ٨             |                |                    | <b>4</b> • • • • |
| QC   |                          | Memo                                 |                         | 0.00                   |              |        |              | 80            |                |                    | Jn 13-3-3        |

| NCR: | Yes / | No | WORK ORDER NON-CONFORMANCE / UPDATE |
|------|-------|----|-------------------------------------|

| NCR: Ye      | es / No    |            |          |     | WORK ORDER NON-C           | CONFO        | RMANCE / UP         | DATE       | QA Closed:   | Date          | :                  |
|--------------|------------|------------|----------|-----|----------------------------|--------------|---------------------|------------|--------------|---------------|--------------------|
|              |            |            |          |     | DISPOSITION                |              |                     | AGAINST DE |              | /PROCESS      |                    |
| Work Orde    | r:         |            |          |     | Rework                     | ,            | Skid-tube           | Crosstube  |              | Water Jet     | Engineering        |
| Part N       | ^          |            |          |     | Scrap                      | 1            | Machining           | Small Fab  | Pro          | d. Eng. Coor. | Quality            |
| Faitin       | ·          |            |          |     | Use-as-is                  | l l The      | rmoforming          | Finishing  | 1            | re/Packaging  | Other              |
| NCR N        | 0.         |            |          |     | Work Order Update          |              | Large Fab           | Composite  | ,            | Supplier      |                    |
|              |            |            |          |     |                            |              |                     |            |              |               | -                  |
| Root         |            | 1          |          |     | ption of work order update | Initial      |                     | tion       | Sign &       | _             |                    |
| Cause        | Date       | Step       | Qty      | (   | or Non-conformance         | Chief Er     | g Desc              | ription    | Date         | Verification  | QC Inspector       |
| Doc/Data     |            |            |          |     |                            |              |                     |            |              |               |                    |
| quip/Tooling |            |            |          |     |                            | Į            |                     |            | ļ            |               |                    |
| Operator     | _          | •          |          |     |                            |              |                     |            |              |               |                    |
| Material     | 4          |            |          |     |                            |              |                     |            |              |               |                    |
| Setup        | _          |            |          |     |                            |              |                     |            |              |               |                    |
| Other        |            |            |          |     |                            |              |                     |            |              |               |                    |
| Process      | 4          |            | <u> </u> |     |                            |              |                     |            |              |               |                    |
| Supplier     | 4          |            |          |     |                            |              |                     |            |              |               |                    |
| Training     | -          | ]          |          |     |                            |              |                     |            |              |               |                    |
| Jnapproved   |            | <u> </u>   | <u> </u> |     |                            | AULT CA      | TEGODY              |            | <u> </u>     |               |                    |
| Landin       | g Gear     |            |          |     | General                    | AULI CA      | TEGORT              |            |              |               |                    |
| Г            | Bending    |            |          |     | Bend                       | Grain        | 1                   |            | Ovalized     |               | Pressure/Forced    |
| ŀ            | Centre No  | ot Conce   | ntric to | o/s | BOM/Route                  | Hard         |                     |            | Over/Under   | tolerance     | Temperature/Cure   |
| ŀ            | Cracks     |            |          |     | Broken/Damaged             | $\vdash$     | ction Incomplete    |            | Part Incorre | <del>-</del>  | Weld               |
| ŀ            | Crushed/   | Crimped    |          | ļ   | Burrs                      | $\mathbf{H}$ | uctions Incomplete/ | /Unclear   | Part Lost/M  | issing        | Wrong Stock Pulled |
| -            | Cuffs      |            |          |     | Contamination              | -            | ntenance            |            | Part Moved   |               |                    |
| f            | Heat Trea  | at         |          |     | Countersink                | Misla        | beled               |            | Positioned V | <b>V</b> rong |                    |
| f            | Inspectio  | n Strip in | Tube     |     | Cut Too Short              | Misre        | ead                 |            | Power Loss/  | 'Surge        | Other              |
| ľ            | Ripples in | •          |          |     | Drill Holes                | Offse        | t                   | <u> </u>   |              |               |                    |
| -            | Torque W   |            | xtrusio  | n   | Drawing                    | Out          | of Calibration      |            |              |               |                    |
| ľ            | Turning S  |            |          |     | Finish                     | Out          | Out of Sequence     |            |              |               |                    |

Outside Dimensions

DQA: \_\_\_\_ Date:

Wave/Twist in Tube

Folio

| Work Ord<br>Thursday, Febr   |                          |   |                    | *974                                    |   |            |              | Page 2                     |               |               |                  |                |
|--|--------------------------|---|--------------------|---|---|------------|--------------|----------------------------|---------------|---------------|------------------|----------------|
| Item ID: D3942-3 Revision ID: Item Name: Clip                          |                          |   |                    | Accept                                  | *N9000                                  | 100        | )*           | Setup                      | Start<br>Stop | ı VI.         | S1*<br>S2*       |                |
| Start Date:<br>Required Date<br>Reference:                             | 2/20/2013<br>: 2/25/2013 | <b>Start Qty:</b> 60.00 <b>Req'd Qty:</b> 60.00       | *60*<br>*60*       |   | Cust Item II<br>Customer:               | <b>)</b> : |              |                            |               |               |                  |                |
| Approvals:   |                          | an:   | Date:              |   | Date Date Date Date Date Date Date Date | te:        |              |                            | Run           | Start<br>Stop | 7                | R1*<br>R2*     |
| Sequence ID/ Work Center I 120 *120 *120 *120 *120 *120 *120 *140 *140 | ID                       | Operation Description QC8- Inspect parts - secon Memo |                    | Set Up/<br>Run Hours<br>0.00 23<br>0.00 | Tool ID                                 | Tool#      | Plan<br>Code | Accep<br>Qty<br>86<br>Colo | Qt            |               | Reject<br>Number | Insp.<br>Stamp |
| Packaging Packaging 150 *150* QC                                       |                          | Memo  QC21- Final Inspection -                        | Work Order Release | 0.00                                    |   |            |              |                            | [:            | 3/2           | 150              | 3-3-4          |
| Quality Control  |                          | Memo  |                    | 0.00                                    |   |            |              |                            |               |               |                  | WF<br>13-3-    |

f 1

| NCR:    | Yes  | / | No  |
|---------|------|---|-----|
| INC.IV. | 16.3 | , | 140 |

DQA: Date:

| NCR: Y           | es / No    |             |            |     | WORK ORDER NON-C               | ONFO     | RIMANCE / UP                            |                     | QA Closed:   | Date                                   | :                  |  |  |
|------------------|------------|-------------|------------|-----|--------------------------------|----------|---|---------------------|--------------|--|--------------------|--|--|
| Work Orde        | r·         |             |            |     | DISPOSITION                    |          | AGAINST DEPARTMENT/PROCESS              |                     |              |  |                    |  |  |
| Part N           |            |             |            |     | Rework<br>Scrap                |          | Skid-tube Crosstube Machining Small Fab |                     |              | Water Jet Enginee Prod. Eng. Coor. Qua |                    |  |  |
| NCR N            | 0.         |             |            |     | Use-as-is<br>Work Order Update | The      | rmoforming Large Fab                    | Finishing Composite | Rec/Stor     | e/Packaging<br>Supplier                | Other              |  |  |
| Root             |            |             |            |     | ption of work order update     | Initia   | 1                                       | ction               | Sign &       |  |                    |  |  |
| Cause            | Date       | Step        | Qty        |     | or Non-conformance             | Chief E  | ng Desc                                 | cription            | Date         | Verification                           | QC Inspector       |  |  |
| Doc/Data         | _          | ļ           |            |     |                                |          |   |                     |              |  |                    |  |  |
| quip/Tooling     |            |             |            |     |                                |          |   |                     |              |  |                    |  |  |
| Operator         | _          |             |            |     |                                |          |   |                     |              |  | ,                  |  |  |
| Material         |            |             |            |     |                                |          |   |                     |              |  |                    |  |  |
| Setup            | $\dashv$   |             |            |     | ·                              |          |   |                     |              |  |                    |  |  |
| Other<br>Process | -          |             |            |     |                                |          |   |                     | ļ            |  |                    |  |  |
| Supplier         |            |             |            |     |                                |          |   |                     |              |  |                    |  |  |
| Training         |            | l           | 1          |     |                                |          |   |                     |              |  |                    |  |  |
| Jnapproved       | 7          |             |            |     |                                | 1        |   |                     |              |  |                    |  |  |
|                  | <u> </u>   |             | <b>,</b>   |     | F                              | AULT CA  | TEGORY                                  |                     |              |  |                    |  |  |
| Landin           | g Gear     |             |            |     | General                        |          |   |                     | _            |  |                    |  |  |
|                  | Bending    |             |            |     | Bend                           | Grai     | n                                       |                     | Ovalized     |  | Pressure/Forced    |  |  |
|                  | Centre No  | ot Conce    | ntric to ( | o/s | BOM/Route                      | Harc     | ware                                    |                     | Over/Under   | tolerance                              | Temperature/Cure   |  |  |
|                  | Cracks     |             |            |     | Broken/Damaged                 | Insp     | ection Incomplete                       |                     | Part Incorre | ct                                     | Weld               |  |  |
|                  | Crushed/   | Crimped     |            |     | Burrs                          | Instr    | uctions Incomplete,                     | /Unclear            | Part Lost/M  | issing                                 | Wrong Stock Pulled |  |  |
|                  | Cuffs      |             |            |     | Contamination                  | Mai      | ntenance                                |                     | Part Moved   |  |                    |  |  |
|                  | Heat Trea  | at          |            |     | Countersink                    | Misl     | abeled                                  | <u> </u>            | Positioned \ | Wrong _                                |                    |  |  |
|                  | Inspectio  | n Strip in  | Tube       |     | Cut Too Short                  | Misr     | ead                                     |                     | Power Loss,  | 'Surge                                 | Other              |  |  |
| [                | Ripples ir | n Bend      |            |     | Drill Holes                    | Offs     |   |                     |              |  | ·                  |  |  |
| [                | Torque W   | Vaves in E  | Extrusion  | n 🗀 | Drawing                        | $\vdash$ | of Calibration                          |                     |              |  |                    |  |  |
|                  | Turning S  | Sequence    |            |     | Finish                         | <b>—</b> | of Sequence                             |                     |              |  |                    |  |  |
|                  | Wave/Tw    | vist in Tul | be         |     | Folio                          | Outs     | Outside Dirnensions                     |                     |              |  |                    |  |  |

**Picklist Print** 

Thursday, February 21, 2013 12:49:46 PM

Work Order ID:

97486

Parent Item:

Comments:

D3942-3

Parent Item Name:

Clip

**Start Date:** 2/20/2013

Required Date: 2/25/2013

Page 1

**Start Qty:** 60.00

Required Qty: 60.00

| Ipp  | Rev:A | UPDA | TE TO | REV B | 10-11-24 JLM | VERIFIED | BY:EC |
|------|-------|------|-------|-------|--------------|----------|-------|
| <br> |       |      |       |       | 1 11         |          |       |

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty    | Qty<br>Issued | Date<br>Issued | Status   |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|-----------------|---------------|----------------|----------|
| M304S18GA<br>304/316 .050 Sheet |                        | Purchased     | No          |                     |                  | 100             | sf                 | 494.4299       | 0.015       | 0.94737<br>i. O |               |                | J.10133- |
|                                 |                        |               |             | <u>Location</u>     |                  | Loc Oty         | <u>Lo</u>          | c Code         |             |                 |               |                |          |
|                                 |                        |               |             | MAT019              |                  | 221             |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 117                 | 188              | 5               |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 117                 | 766              | 5               |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 120                 | 604              | 5               |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 122                 | 325              | 3               |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 123                 | 155              | 3               |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 124                 | 572              | 200             |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | MAT020              |                  | 273.429894      |                    |                | ****        |                 |               |                |          |
|                                 |                        |               |             | 120                 | 243              | 2               |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 121                 | 626              | 1.529894        |                    |                |             |                 |               |                |          |
|                                 |                        |               |             | 124                 | 029              | 269.9           |                    |                | 797         | 1039            |               |                |          |

|               |          |           |           | •        |              |                            |                       |                        |                  |           |          | DQA:         | Da            | ate:     |                    |
|---------------|----------|-----------|-----------|----------|--------------|----------------------------|-----------------------|------------------------|------------------|-----------|----------|--------------|---------------|----------|--------------------|
| NCR:          | Yes      | / No      |           |          |              | WORK ORDER NON-C           | 100                   | NFORM                  | AANCE / UPI      | DATE      |          |              |               |          |                    |
|               |          |           |           |          |              |                            |                       | ,                      |                  |           |          | QA Closed:   | Da            | ate:     |                    |
| NA/owle Owel  |          |           |           |          |              | DISPOSITION                |                       |                        |                  | AGAINST   | DΕ       | PARTMENT     | PROCESS       |          |                    |
| Work Orde     | er: -    |           |           |          |              | Rework                     | 1                     |                        | Skid-tube        | Crosstube |          |              | Water Jet     |          | Engineering        |
| Part f        | No       |           |           |          |              | Scrap                      |                       |                        | Machining        | Small Fab | $\dashv$ | Pro          | d. Eng. Coor. | $\vdash$ | Quality            |
| l dici        | 10.      |           |           |          | <del> </del> | Use-as-is                  |                       |                        | noforming        | Finishing | -        | 1            | e/Packaging   | -        | Other              |
| NCR I         | No.      |           |           |          |              | Work Order Update          |                       |                        | Large Fab        | Composite | $\dashv$ | ,            | Supplier      | -        |                    |
|               |          |           |           |          |              |                            | •                     |                        |                  |           |          |              |               |          |                    |
| Root          |          |           |           |          | Descri       | ption of work order update |                       | nitial                 | Act              | tion      |          | Sign &       |               |          |                    |
| Cause         |          | Date      | Step      | Qty      | (            | or Non-conformance         | Cr                    | ief Eng                | Desc             | ription   |          | Date         | Verification  | n        | QC Inspector       |
| Doc/Data      | Ш        |           | <u> </u>  |          |              |                            |                       |                        |                  |           |          |              |               |          |                    |
| Equip/Tooling |          |           |           |          | :            |                            | }                     |                        |                  |           | ,        |              |               |          |                    |
| Operator      |          |           |           |          |              |                            |                       |                        |                  | •         |          |              |               |          |                    |
| Material      |          |           |           |          |              |                            |                       |                        |                  |           |          |              |               |          |                    |
| Setup'        |          |           |           |          |              |                            | 1                     |                        |                  |           |          |              | ,             |          |                    |
| Other         | Ш        |           |           | ,        |              |                            |                       |                        |                  |           |          |              |               |          |                    |
| Process       | Ш        |           |           |          |              |                            |                       |                        |                  |           |          |              |               |          |                    |
| Supplier      | Ш        |           |           |          |              |                            |                       |                        |                  |           |          |              |               | 1        |                    |
| Training      | Ш        | 1         |           |          |              |                            |                       |                        |                  |           |          |              |               |          |                    |
| Unapproved    |          |           |           | <u> </u> |              |                            |                       |                        |                  |           |          | <u> </u>     |               |          |                    |
|               |          |           |           |          | <del></del>  |                            | AUI                   | T CATE                 | GORY             |           |          |              |               |          |                    |
| Landi         |          | 1         |           |          |              | General                    |                       | 7                      |                  | 1         | _        | 1            |               | _        | 1 .                |
|               |          | Bending   |           |          | <u> </u>     | Bend                       | <u> </u>              | Grain                  |                  |           |          | Ovalized     |               | <u> </u> | Pressure/Forced    |
|               | Н        | Centre No | ot Concei | ntric to | o/s          | BOM/Route                  | $\vdash$              | Hardwa                 |                  |           | _        | Over/Under   |               | <u>_</u> | Temperature/Cure   |
|               | Н        | Cracks    |           |          | <u> </u>     | Broken/Damaged             | Inspection Incomplete |                        |                  |           |          | Part Incorre |               | $\vdash$ | Weld               |
|               | $\vdash$ | Crushed/  | Crimped.  |          |              | Burrs                      | $\vdash$              | 4                      | ions Incomplete/ | Unclear   |          | Part Lost/M  | issing        | L        | Wrong Stock Pulled |
| Ī             | 1 1      | Cuffs     |           |          |              | Contamination              | 1                     | Maintenance Part Moved |                  |           |          |              |               |          |                    |

Mislabeled

Out of Calibration

Out of Sequence

Outside Dirnensions

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

| DART AEROSPACE LTD             | Work Order:  | 97484       |
|--------------------------------|--------------|-------------|
| Description: Clip              | Part Number: | D3942-3     |
| Inspection Dwg: D3942 Rev: 8 C |              | Page 1 of 1 |

## FIRST ARTICLE INSPECTION CHECKLIST

| Drawing<br>Dimension | Tolerance     | Actual<br>Dimension | Accept | Reject | Method of<br>Inspection | Comments |
|----------------------|---------------|---------------------|--------|--------|-------------------------|----------|
| Ø0.129               | +0.005/-0.001 | 0.132"              | _      |        | V                       | Ikmoi    |
| 202570275"           | +0.006/-0.001 | 6.278               | _      |        | U                       |          |
| 0.75                 | +/-0.030      | 0.752,              | _      |        | V                       |          |
| 0.25                 | +/-0.030      | 0.251               | -      |        | V                       |          |
| 0.25                 | +/-0.030      | 0.2494              | 1      |        | V                       |          |
| 0.75                 | +/-0.030      | 0.751               | 1      |        | V                       |          |
| 0.38                 | +/-0.030      | 0.376"              | -      |        | V                       |          |
| 0.31                 | +/-0.030      | 0,309"              | _      |        | V                       |          |
| 2.50                 | +/-0.030      | 2.495"              | -      |        | ν                       |          |
| 0.050                | +/-0.010      | 0.046               | _      |        | V                       |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         | 1000     |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        | ,                       |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               | -                   | QAG.   |        |                         |          |

| Measured by: Jm | Audited by:  | Preliminary Approval: |
|-----------------|--------------|-----------------------|
| Date: 13-3-3    | Date: 13 3 4 | Date:                 |

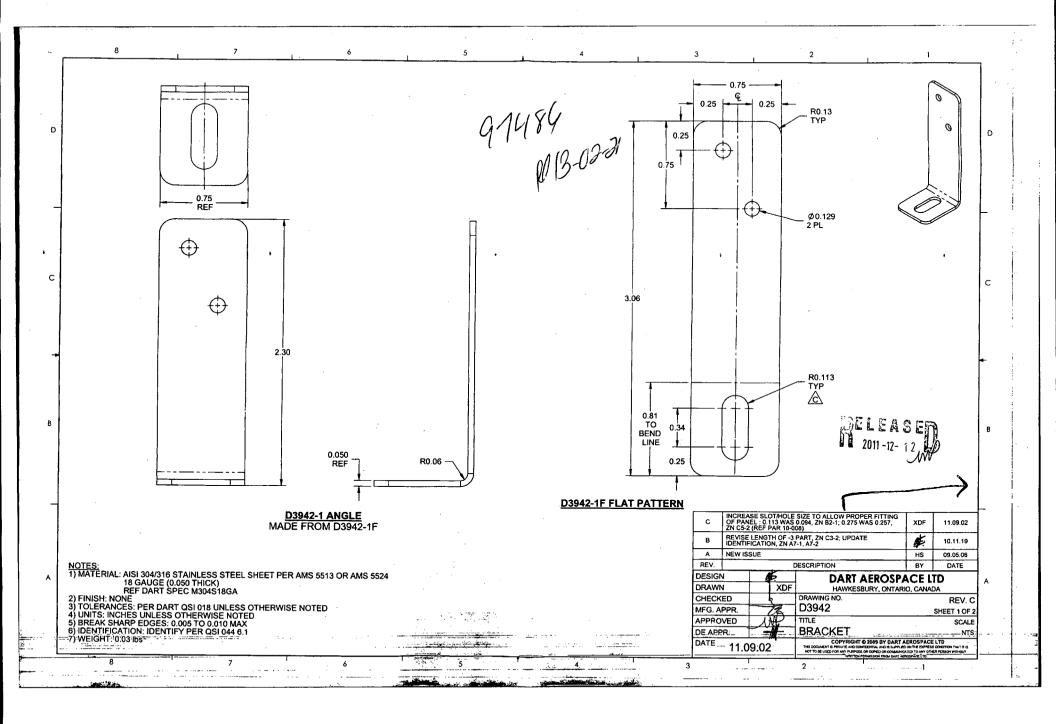
| Rev | Date     | Change                          | Revised by | Approved |
|-----|----------|---------------------------------|------------|----------|
| Α   | 09.06.22 | New Issue                       | KJ         |          |
| В   | 11.01.17 | Dimensions update per Dwg Rev B | KJ \$      |          |

| NCR: Ye       | es / No    |           |            | ·              | WORK ORDER NON-                          | CONFO   | RN             | IANCE / UPD/       |   | QA Closed:                                      | Dat                                    | te:          |                           |  |
|---------------|------------|-----------|------------|----------------|--|---|----------------|--------------------|---|---|--|--------------|---------------------------|--|
| Work Ordei    | r:         |           |            |                |  |   |                |                    | -                                       | T DEPARTMENT/PROCESS                            |  |              |                           |  |
| Part No       |            |           |            |                | Rework Scrap Use-as-is Work Order Update | rap Machining Small F<br>s-is Thermoforming Finishi |                |                    | Crosstube Small Fab Finishing Composite | Prod. Eng. Coor. Quaing Rec/Store/Packaging Otl |  |              | Engineering Quality Other |  |
| Root          |            |           |            | Descri         | ption of work order update               | Initia  | Initial Action |                    |   | Sign &  |  |              | 1                         |  |
| Cause         | Date       | Step      | Qty        | (              | or Non-conformance                       | Chief E   | ng             | Description        |   | Date  | Verification                           |              | QC Inspector              |  |
| Doc/Data      |            |           |            |                |  |   |                |                    |   |   |  |              |                           |  |
| Equip/Tooling |            |           |            |                |  |   | - 1            |                    |   |   |  |              |                           |  |
| Operator      |            |           |            |                |  |   |                |                    |   |   |  |              |                           |  |
| Material      | _          |           |            |                |  |   |                | 1                  |   |   |  |              |                           |  |
| Setup         |            |           |            |                |  |   | ĺ              | 1                  |   |   |  |              |                           |  |
| Other         |            |           |            |                |  |   |                | 1                  |   |   |  | 1            | ,                         |  |
| Process       |            |           |            |                |  |   |                | I                  | •                                       |   |  |              |                           |  |
| Supplier      |            |           |            | :              |  |   | }              | l                  |   |   |  |              |                           |  |
| Training      |            |           |            |                |  | ļ   |                |                    |   |   |  |              |                           |  |
| Unapproved    |            |           |            |                |  |   |                |                    |   |   |  |              |                           |  |
|               |            |           |            |                |  | AULT CA   | TEG            | 3ORY               |   |   |  |              |                           |  |
| Landin        |            |           |            |                | General                                  |   |                |                    | _                                       | 1   |  | $\Box$       | te                        |  |
| -             | Bending    | _         |            |                | Bend                                     |   | Grain          |                    |   | Ovalized Pressure/Ford                          |  |              |                           |  |
| -             | Centre No  | ot Concei | ntric to ( | <sup>O/S</sup> | BOM/Route                                | Hard  |                |                    | -                                       | Over/Under                                      |  | $\mathbf{H}$ | emperature/Cure           |  |
| -             | Cracks     |           |            | _              | Broken/Damaged                           | <b>—</b>  |                | on Incomplete      | . <b>-</b>                              | Part Incorrect Weld                             |  |              |                           |  |
| -             | Crushed/   | Crimped.  |            | -              | Burrs                                    | <b>├</b> ──{  |                | ions Incomplete/Un | nclear                                  | Part Lost/Mi                                    | ssing                                  | Ш"           | Vrong Stock Pulled        |  |
| <u> </u>      | Cuffs      |           |            | ļ              | Contamination                            | <b>─</b> ─  |                | nance              | _                                       | Part Moved                                      |  |              |                           |  |
| -             | Heat Trea  |           | <b></b> .  | -              | Countersink                              | Misl  |                |                    | _                                       | Positioned Wrong                                |  | <b>^</b>     |                           |  |
| -             | Inspection |           | Tube       | <u> </u>       | Cut Too Short                            | Misi  |                | ť                  |   | Power Loss/                                     | Surge                                  | $\Box_0$     | ther                      |  |
|               | Ripples in |           |            | <u> </u>       | Drill Holes                              | Offs  |                | Saltharaki a u     |   |   | ······································ |              |                           |  |
| <u> </u>      | Torque W   |           |            | <sup>n</sup>   | Drawing                                  |   |                | Calibration        |   |   |  |              |                           |  |
| <br>          | Turning S  |           |            | <u> </u>       | Finish                                   | $\vdash$  |                | Sequence           |   |   |  |              |                           |  |
|               |            |           |            |                |  | Outside Dimensions                                  |                |                    |   |   |  |              |                           |  |

DQA:

Date:

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|               |             |             |           |          |                            |   |         |                  |                     | DC                 | (Α:     | Date         | e: _     |                     |
|---------------|-------------|-------------|-----------|----------|----------------------------|---|---------|------------------|---------------------|--------------------|---------|--------------|----------|---------------------|
| NCR:          | Yes / I     | No          |           |          | <b>WORK ORDER NON-C</b>    | O   | NFORM   | MANCE / UP       | DATE                |                    |         |              |          |                     |
|               |             |             | •         |          |                            |   |         |                  |                     | QA Close           | ed:     | Date         | e:       |                     |
|               |             |             |           |          | DISPOSITION AGAINST        |   |         |                  |                     | DEPARTMENT/PROCESS |         |              |          |                     |
| Work Orde     | er:         |             |           |          | S I                        |   | c::     | Water Jet        |                     |                    | $\neg$  | Fasinssins   |          |                     |
| D             | VI =        |             |           |          | Rework                     | - 1   |         | Skid-tube        | Crosstube Small Fab | ┧ ,                |         | Eng. Coor.   | -        | Engineering Quality |
| Part I        | NO          |             |           |          | Use-as-is                  | ` <b>                                    </b> |         | Machining        | Finishing           | <b>—</b>           |         |              | $\dashv$ | Other               |
| NCR I         | Vio.        |             |           |          | Work Order Update          | 1   |         | Large Fab        | Composite           | 1 1160/3           | otore   | Supplier     | $\dashv$ | Other               |
| New           | 10          |             |           |          | Work Order opaate          | j   |         | railee , an      | composite           | _                  |         | adbhiei [    |          | <u> </u>            |
| Root          |             |             |           | Descri   | ption of work order update | ı   | nitial  | Ac               | tion                | Sign &             |         |              |          |                     |
| Cause         | Da          | te Step     | Qty       |          | or Non-conformance         | Ch  | ief Eng | Desc             | ription             | Date               | ,       | Verification |          | QC Inspector        |
| Doc/Data      |             |             |           |          |                            |   |         |                  |                     |                    |         |              |          |                     |
| Equip/Tooling |             |             |           |          |                            | ļ   |         |                  |                     |                    |         |              |          |                     |
| Operator      | Ш           |             |           |          |                            | 1   |         | :                |                     |                    |         |              |          |                     |
| Material      |             |             |           |          |                            |   |         | :                |                     |                    |         |              | Ì        |                     |
| Setup         |             |             |           |          |                            |   |         |                  |                     |                    |         |              |          |                     |
| Other         | Ш           |             |           |          |                            |   |         |                  |                     |                    |         |              | İ        |                     |
| Process       |             |             |           |          |                            |   |         |                  |                     |                    |         |              |          |                     |
| Supplier      |             |             |           |          |                            |   |         |                  |                     |                    |         |              |          |                     |
| Training      |             |             |           |          |                            |   |         |                  |                     | 1                  |         |              |          |                     |
| Unapproved    | ll          |             | <u> </u>  |          |                            |   |         |                  |                     | <u> </u>           |         |              |          |                     |
|               |             |             |           |          |                            | AUL   | T CATE  | GORY             |                     | <del> </del>       |         |              |          |                     |
| Landi         | ng Gear     | _           |           | r        | General                    | _   | l       |                  |                     | 7                  |         | Г            | 一.       |                     |
|               | Bending     |             |           |          | Bend                       | -   | Grain   |                  | -                   | Ovalized           |         |              | —        | Pressure/Forced     |
|               | <del></del> | e Not Conce | entric to | 0/5      | BOM/Route                  | -   | Hardwa  |                  | <u> </u>            | Over/Un            |         | ierance [    | -        | Temperature/Cure    |
|               | Cracl       |             |           |          | Broken/Damaged             | -   | 1       | on Incomplete    |                     | Part Inco          |         |              |          | Weld                |
|               | $\vdash$    | ned/Crimped | j.        | <u> </u> | Burrs                      | -   | -i      | ions Incomplete/ | Unclear             | Part Lost          |         | ng [         | \        | Wrong Stock Pulled  |
|               | Cuffs       |             |           | <u> </u> | Countersink                | -   | Mainte  |                  | <u> </u>            | Part Mov           |         |              |          |                     |
| I             | 1 HH02+     | Troat       |           |          | II OUNTARSINE              | 1   | Miclahe | nen              | 1                   | Positions          | ad Wire | าทฮ          |          |                     |

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

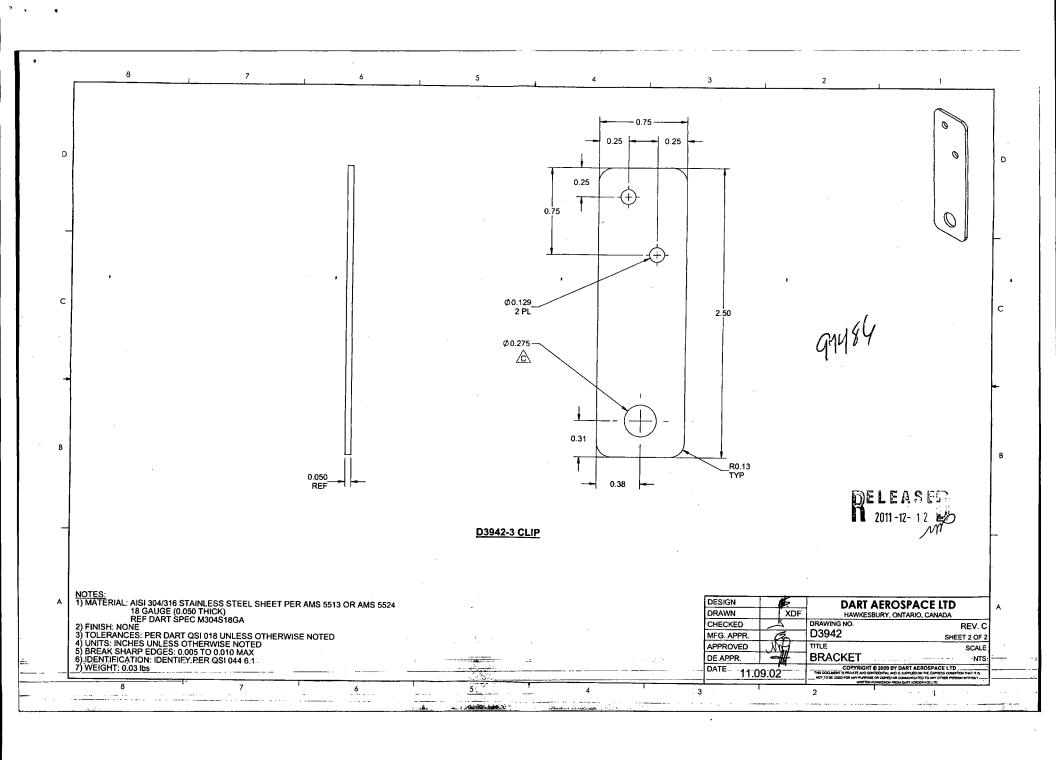
Drill Holes

Drawing

Finish

Folio

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| NCD. | Vac | 1 | No |
|------|-----|---|----|
| NCR: | Yes | / | No |

Date:

DQA:

| NCR: Ye      | es / No          |             |            |                            | WORK ORDER NON-C   | CONFO         | )RN                        | 1ANCE / UPD                 | ATE       |                      |               |                                       |
|--------------|------------------|-------------|------------|----------------------------|--------------------|---------------|----------------------------|-----------------------------|-----------|----------------------|---------------|---------------------------------------|
|              | •                |             | <u>-</u>   |                            |                    |               |                            | ·                           |           | QA Closed:           | Date          | <u> </u>                              |
| Work Ordei   | ·                |             |            |                            | DISPOSITION        |               | AGAINST DEPARTMENT/PROCESS |                             |           |                      |               |                                       |
| WOIR Older   |                  |             |            |                            | Rework             | 1             | ;                          | Skid-tube                   | Crosstube |                      | Water Jet     | Engineering                           |
| Part N       | 0.               |             |            |                            | Scrap              | 1             | Machining Small Fat        |                             |           | Pro                  | d. Eng. Coor. | Quality                               |
|              |                  |             |            |                            | Use-as-is          | 1 Th          | erm                        | oforming                    | Finishing | Rec/Stor             | e/Packaging   | Other                                 |
| NCR No.      |                  |             |            | Work Order Update          | Large Fab Compos   |               |                            | Composite                   |           |                      |               |                                       |
| Root Descri  |                  |             |            | ption of work order update | Initia             | nitial Action |                            |                             | Sign &    |                      |               |                                       |
| Cause        | Date             | Step        | Qty        | •                          | or Non-conformance | Chief E       | ng                         | Descri                      | ption     | Date                 | Verification  | QC Inspector                          |
| Doc/Data     |                  |             |            |                            |                    |               |                            |                             |           |                      |               |                                       |
| quip/Tooling |                  |             |            |                            |                    |               |                            |                             |           |                      |               | ·                                     |
| Operator     |                  |             |            |                            |                    |               |                            |                             |           |                      |               |                                       |
| Material     |                  |             |            |                            |                    |               | l                          |                             |           |                      |               |                                       |
| Setup        |                  |             |            |                            |                    |               | ĺ                          |                             |           |                      |               |                                       |
| Other        |                  |             |            |                            |                    |               |                            |                             |           |                      |               |                                       |
| Process      |                  |             |            |                            |                    |               |                            |                             |           |                      |               |                                       |
| Supplier     |                  |             | 1 1        |                            |                    |               |                            |                             |           |                      |               |                                       |
| Training     |                  |             |            |                            |                    |               | 1                          |                             |           |                      |               |                                       |
| Unapproved   |                  | <u> </u>    |            |                            |                    |               |                            |                             |           |                      |               |                                       |
|              |                  |             |            |                            |                    | AULT CA       | ATEC                       | GORY                        |           |                      |               |                                       |
| Landin       | g Gear           |             |            |                            | General            |               |                            |                             |           | ,                    | -             |                                       |
|              | Bending          |             |            |                            | Bend               | Gra           | Grain                      |                             |           | Ovalized             |               | Pressure/Forced                       |
|              | Centre No        | ot Conce    | ntric to C | )/S                        | BOM/Route          | Har           | lardware                   |                             |           | Over/Under tolerance |               | Temperature/Cure                      |
|              | Cracks           |             |            |                            | Broken/Damaged     | Insp          | ecti                       | on Incomplete               |           | Part Incorre         | ct [          | Weld                                  |
|              | Crushed/Crimped. |             |            |                            | Burrs              | instruc       |                            | ructions Incomplete/Unclear |           | Part Lost/Missing    |               | Wrong Stock Pulled                    |
|              | Cuffs            |             |            |                            | Contamination      | Ma            | inte                       | narice                      |           | Part Moved           |               |                                       |
|              | Heat Trea        | at          |            |                            | Countersink        | Mis           | labe                       | led                         |           | Positioned Wrong     |               | <del></del>                           |
|              | Inspectio        | n Strip in  | Tube       |                            | Cut Too Short      | Mis           | read                       | l                           |           | Power Loss/          | 'Surge        | Other                                 |
|              | Ripples in       | n Bend      |            |                            | Drill Holes        | Off           | set                        |                             |           |                      |               |                                       |
|              | Torque W         | Vaves in l  | Extrusion  |                            | Drawing            | Out           | t of C                     | Calibration                 |           |                      |               | · · · · · · · · · · · · · · · · · · · |
|              | Turning S        | equence     |            |                            | Finish             | Out           | t of S                     | equence                     |           |                      |               |                                       |
| [            | Wave/Tw          | vist in Tul | be         |                            | Folio              | Out           | Outside Dimensions         |                             |           |                      |               |                                       |

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